



Navy Regionalization of Legacy Technical Data

OPNAV N403B
10 April 2001



Regionalize Infrastructure

- JCALS is providing core infrastructure, connectivity, security, access, indexing, structured data repositories and “TM” applications for legacy data
- PM JCALS has agreed to:
 - Implement Regionalization for Navy
 - Replace obsolete structured data management tool
 - Use our regionalization implementation as pilot for all services

Evolution to COTS

pe

Anticipate

Innovate

Lea

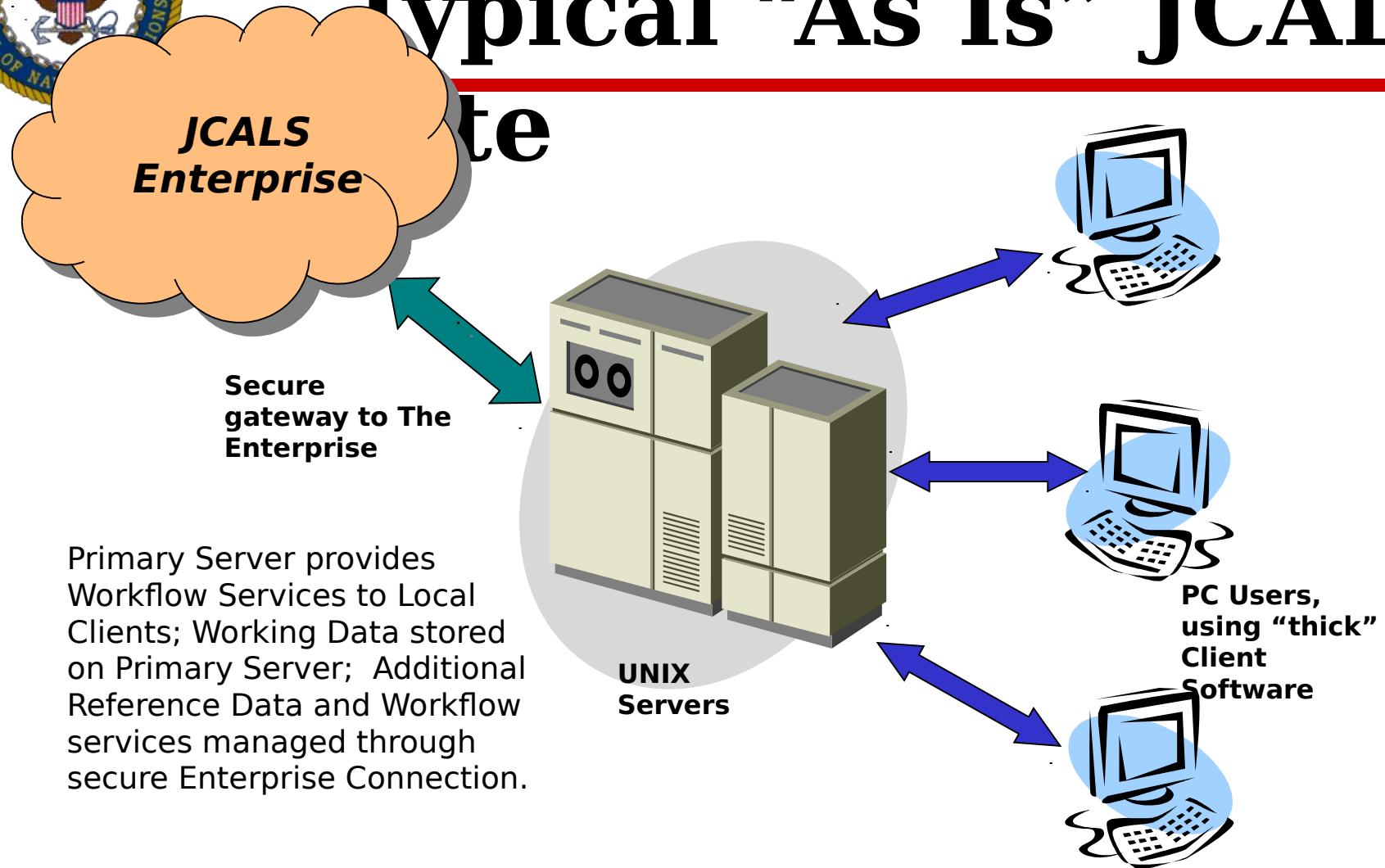


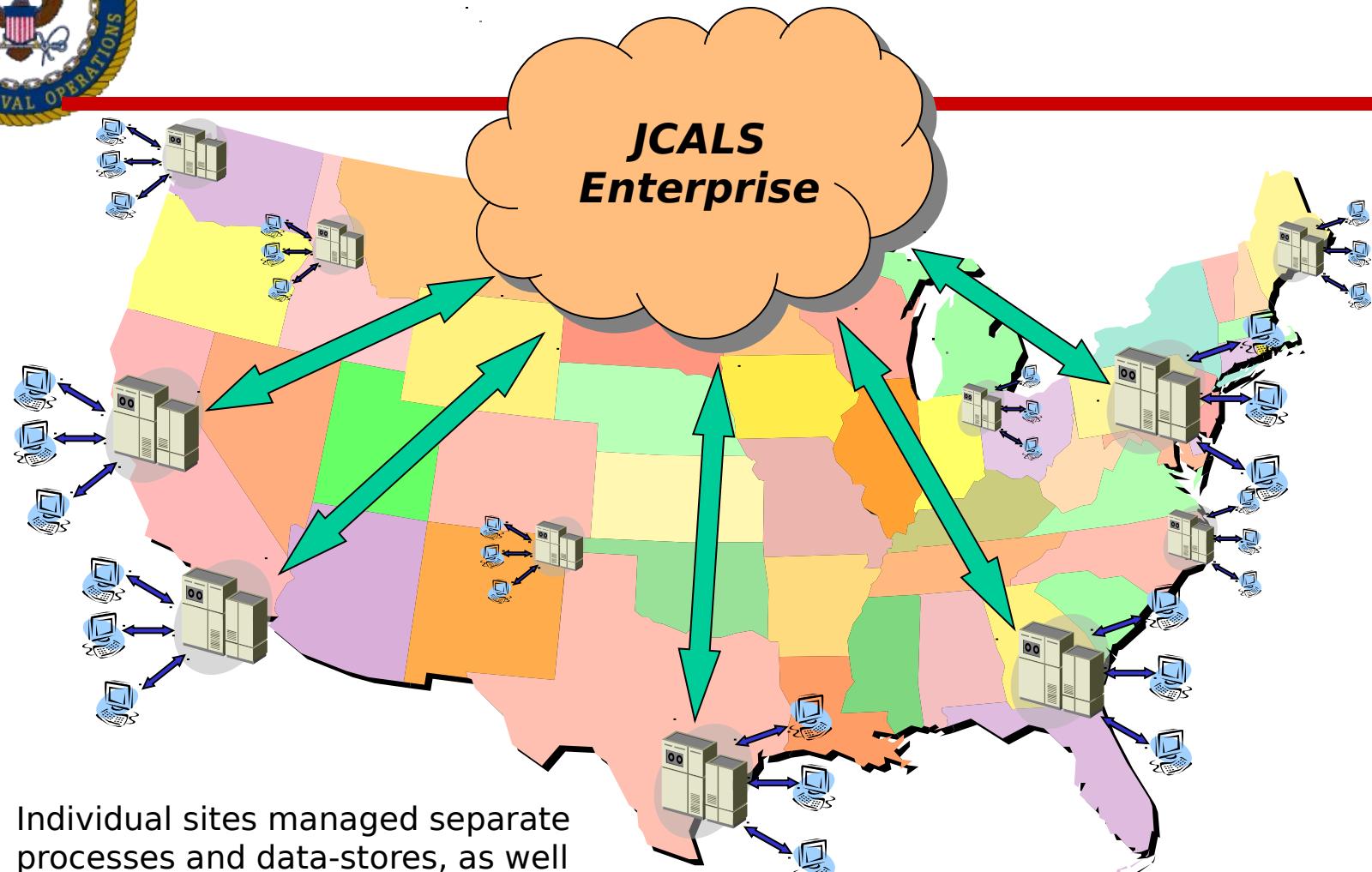
JCALS Status

- Plan of action
 - SWP3.1 is scheduled to complete OT by Sep 01
 - **NLL/JCALS interface - cutover**
 - SWP3.2 will be maintenance drop for 3.1 fixes
 - SWP3.3 to be completed by Oct 02
 - Software include transition to thin client applications
 - Implementation of regionalization across all services
- JCALS should be web-client and regionalized for Navy by Oct 2001 dependant on -
 - Pilot Program
 - Tarantella product envisioned to be web portal into the enterprise



Typical “As Is” JCALS





Individual sites managed separate processes and data-stores, as well as hierarchical control of user roles and privileges.

pe

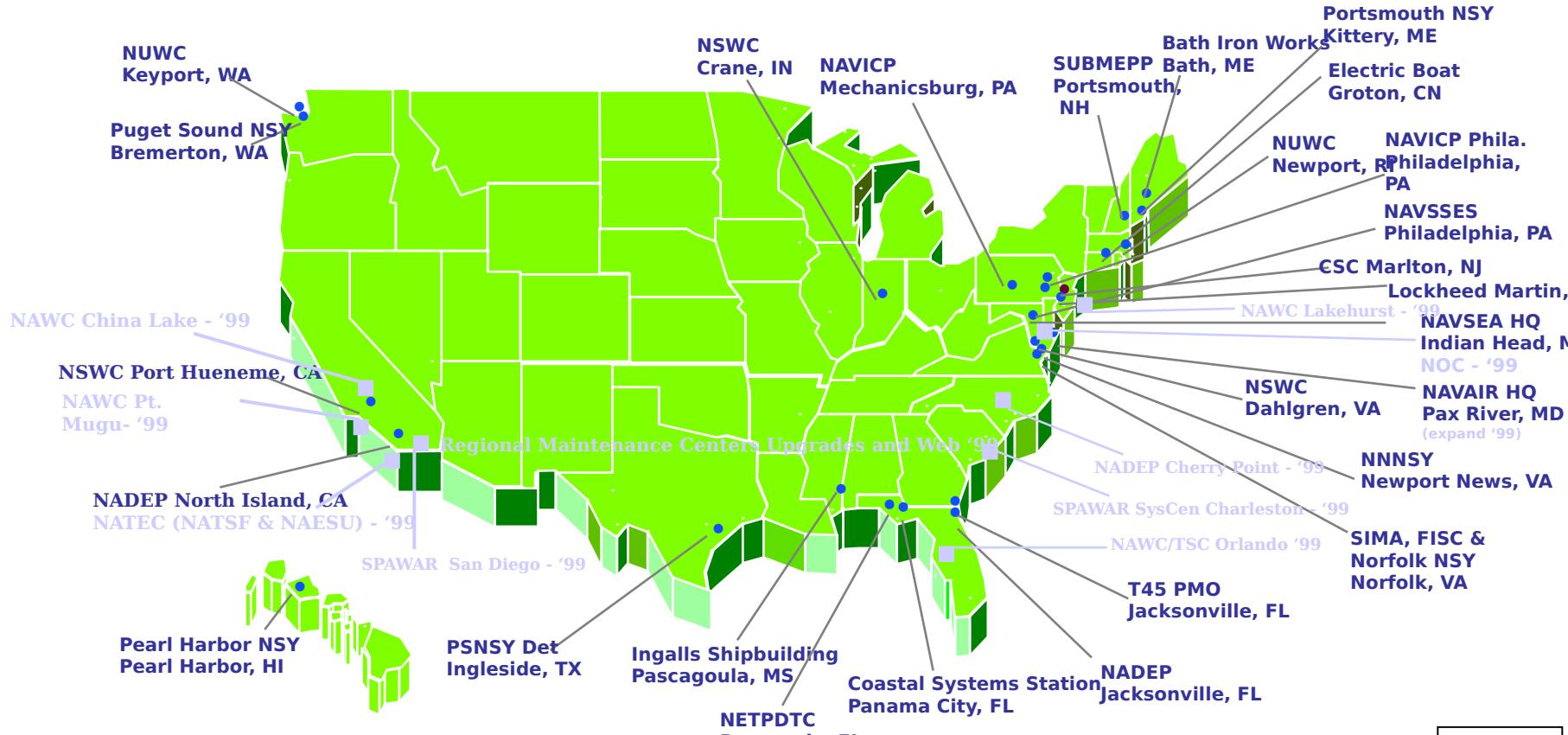
Anticipate

Innovate

Lea



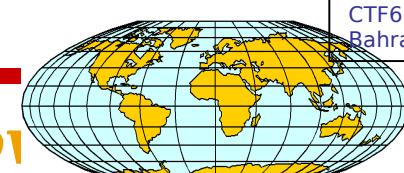
Current Navy JCALS Sites



CTF63
Naples,
IT
CTF63
Bahrain

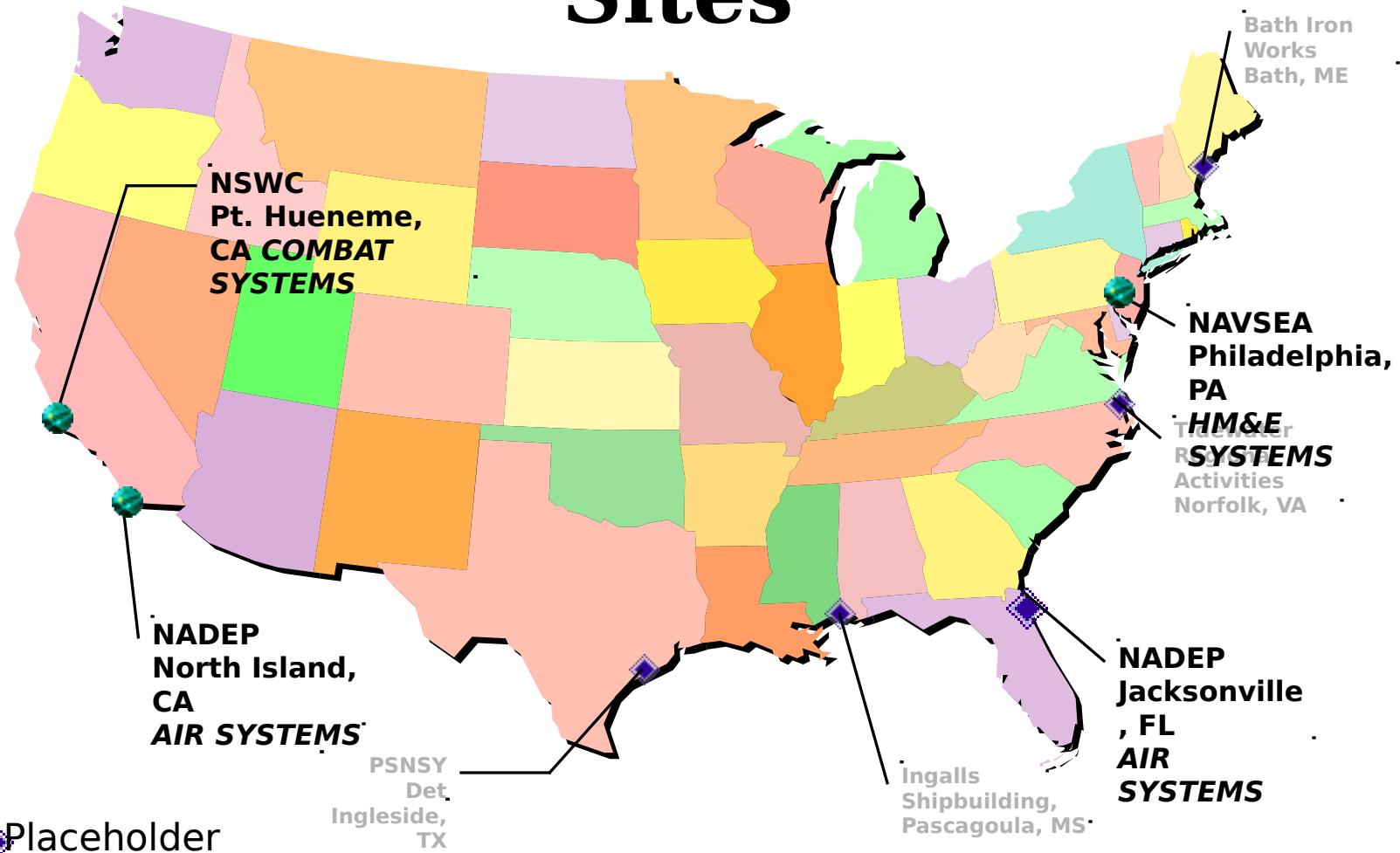
pe
Anticipate

Innov
ea





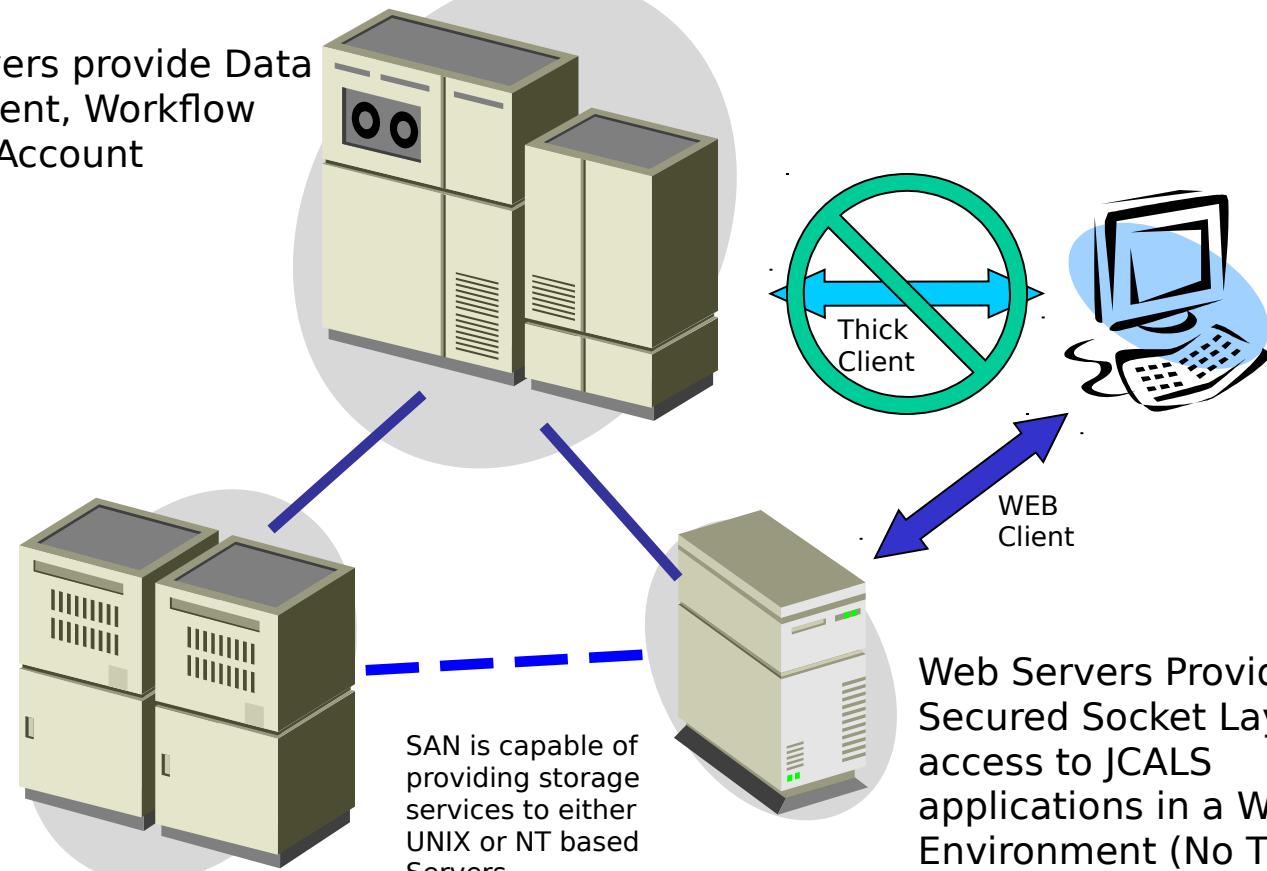
Proposed Regional Sites





Enhanced Navy Repository Capabilities

UNIX Servers provide Data Management, Workflow and User Account Services.



pe

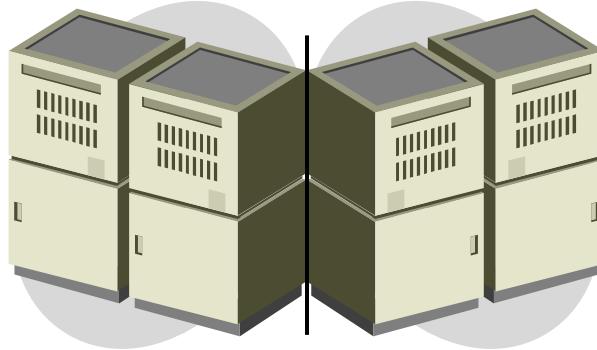
Anticipate

Innovate

Lea

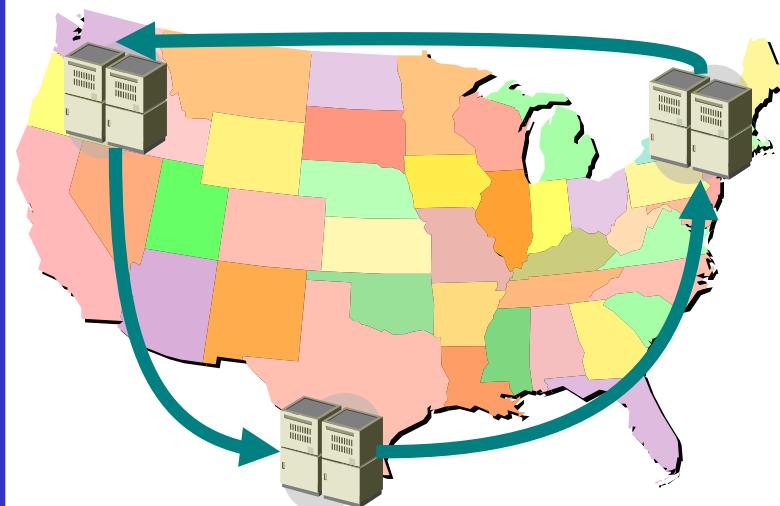


Maintaining Safe Data Storage



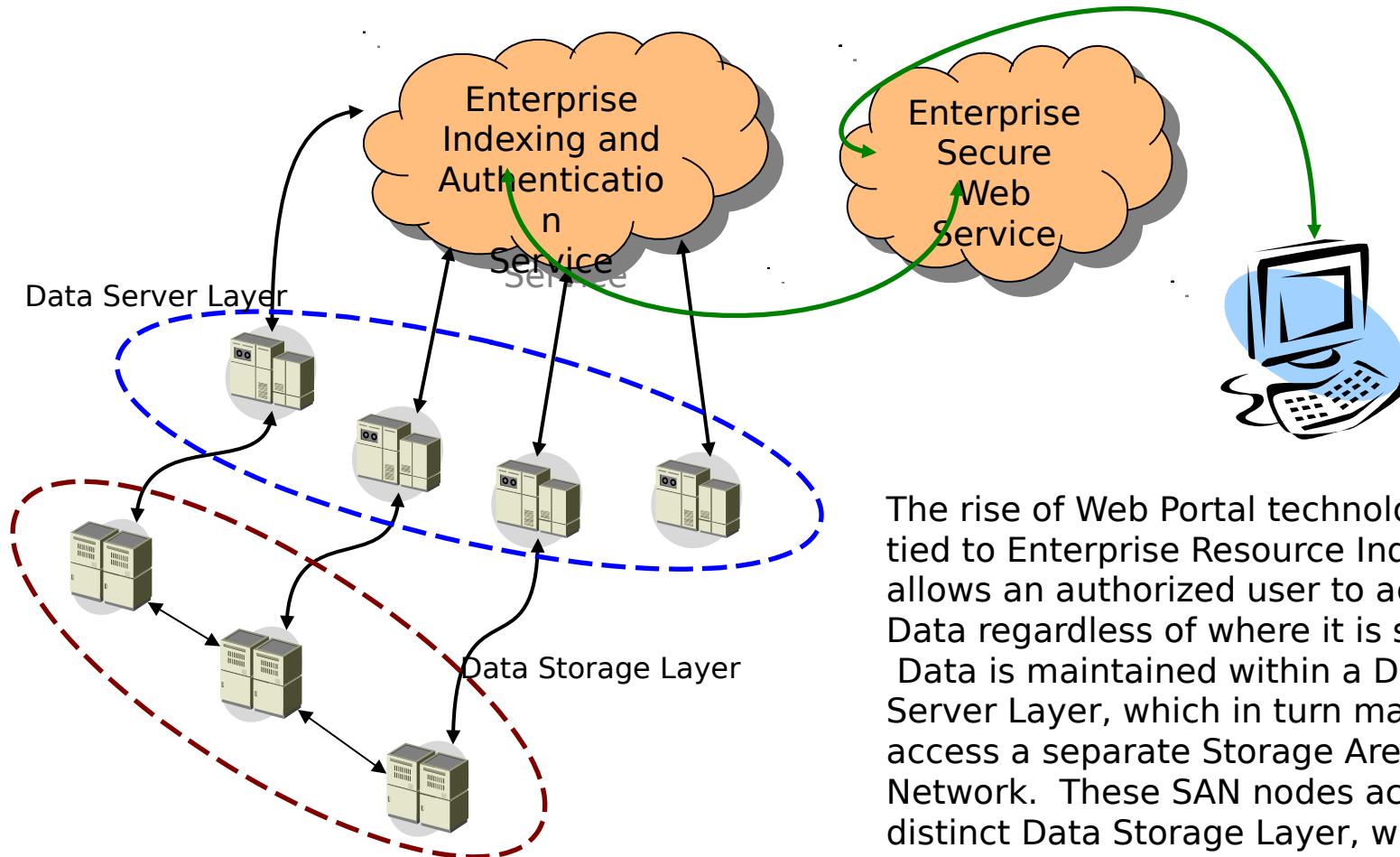
- Storage Area Networks implement Data Mirrors for on-site backups of active Volumes.
- Data Mirrors can be synchronized automatically, without disabling active storage Volumes, minimizing server down-time.

- In addition to on-site Data Mirrors, each storage node within the enterprise can be inter-networked with other storage nodes to effect an extended Disaster Recovery and Backup Scheme.





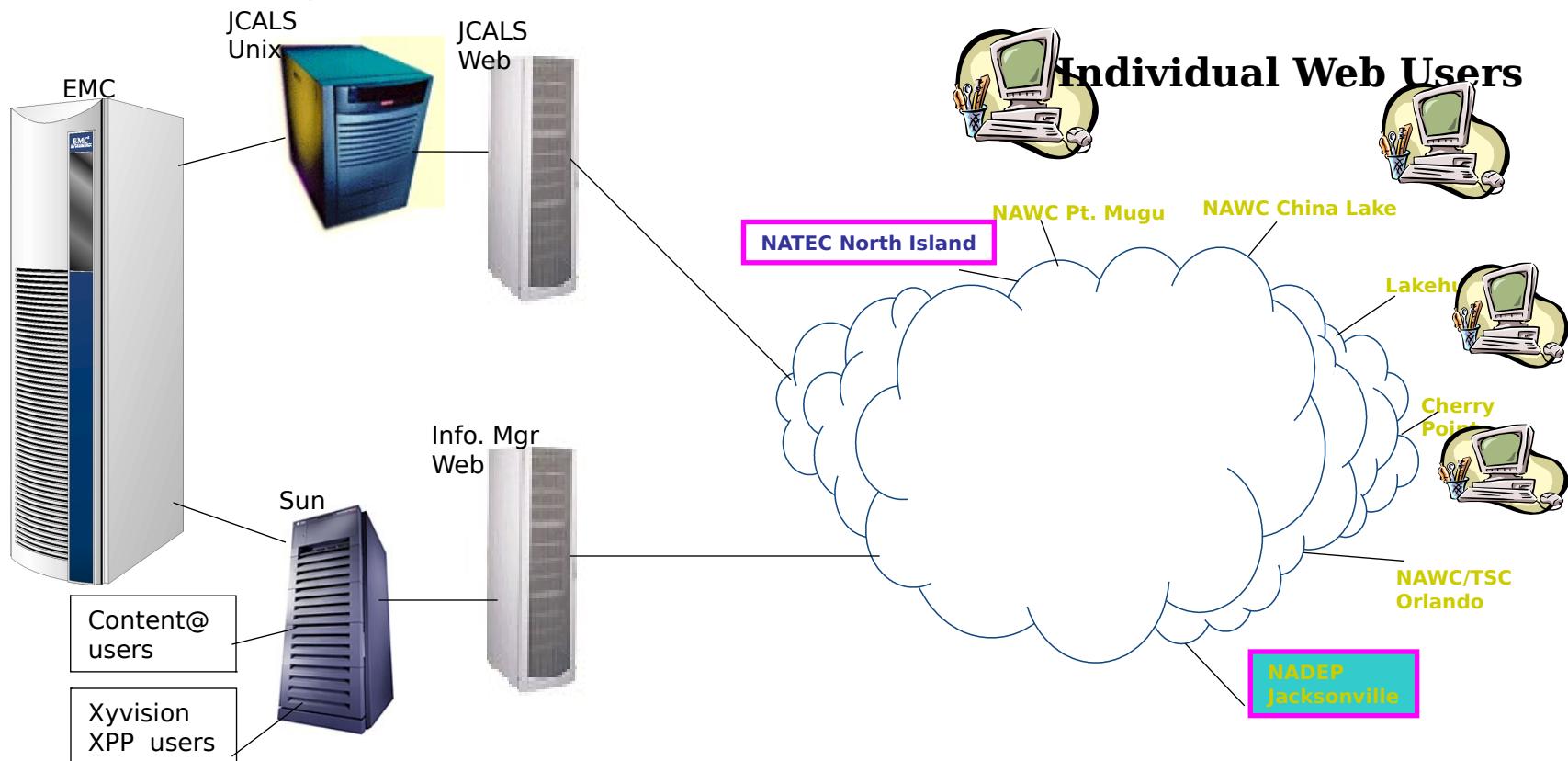
The Expanded Navy IDE





Navy Tech Data Authoring, Managing and Distribution

Site B - NADEP NI (mirrors "A")





Benefits of Regionalization

- Reduces Navy host JCALS sites from 32 to 3
- Reduces both hardware and software sustainment costs
- Eliminates burden of System Administrators, Data Base Managers, and ISSO's at Navy sites
- Provides capability and capacity for future JEDMICS consolidation

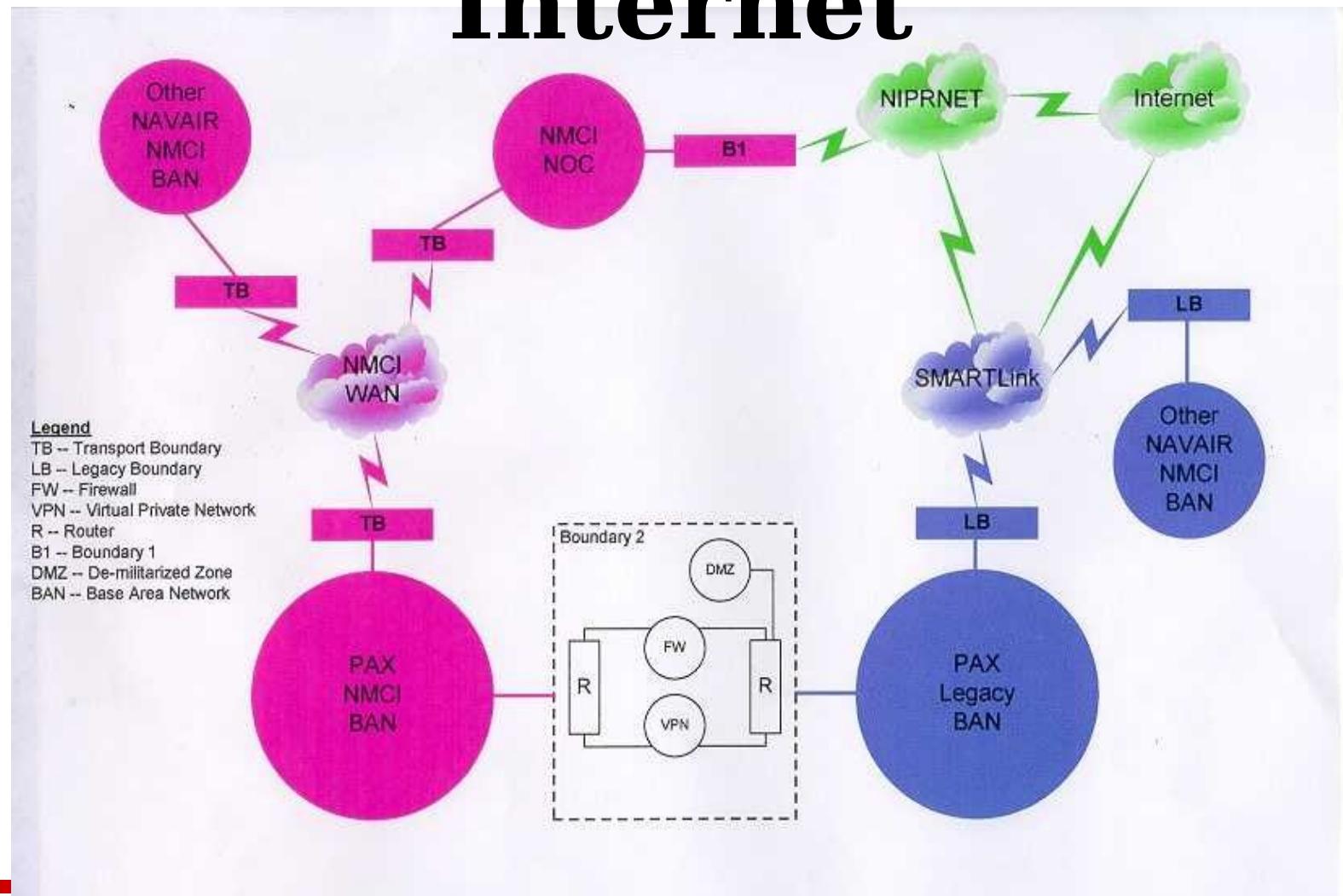


Drivers, Challenges and Enablers

- Enablers
 - Technology
 - Navy Marine Corps Internet
 - JCALS Regionalization Initiative
- Drivers and Challenges
 - Existing Business Rules and site specific processes
 - Data formats
 - Navy Marine Corps Internet
 - Security
 - Integration with ERP
 - Non-JTM applications
 - Overcoming negative JCALS mindsets



Navy Marine Corps Internet





Implementation Time-Line

